Listing of Claims

This listing of claims will replace all prior versions, and listings, of claims in this application.

- 1. (Currently Amended) An isolated binding polypeptide comprising at least a first and a second binding domain capable of specifically binding Streptococcus pneumoniae surface adhesin A (PsaA) protein, said first binding domain comprises the amino acid sequence of SEQ ID NO: 6, or a variant of SEQ ID NO: 6 having a single amino acid substitution, or a functional homologue thereof and said second binding domain comprises the amino acid sequence of SEQ ID NO: 4, or a variant of SEQ ID NO: 4 having a single amino acid substitution or a functional homologue thereof.
- 2. (Previously Presented) The isolated binding polypeptide according to claim 1, wherein the isolated binding polypeptide is a pure isolated binding polypeptide.
- 3. (Previously Presented) The isolated binding polypeptide according to claim 1, wherein the binding polypeptide is selected from antibodies or immunologically active fragments of antibodies or single chain of antibodies.
- 4. (Previously Presented) The isolated binding polypeptide according to claim 3, wherein the antibodies are selected from monoclonal antibodies, polyclonal antibodies or mixtures of monoclonal antibodies.
- 5. (Previously Presented) The isolated binding polypeptide according to claim 1, wherein the binding polypeptide is monospecific towards the PsaA protein.
- 6. (Previously Presented) The isolated binding polypeptide according to claim 1, wherein the binding polypeptide is bispecific having at least one portion specific towards the PsaA protein.
- 7. (Previously Presented) The isolated binding polypeptide according to claim 1, wherein the binding polypeptide is multispecific having at least one portion towards the PsaA protein.
- 8. (Previously Presented) The isolated binding polypeptide according to claim 1, wherein the first and second binding domains are carried by a human antibody framework.

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- 9. (Previously Presented) The Isolated binding polypeptide according to claim 1, wherein the first and second binding domains are carried by a humanized antibody framework.
- 10. (Previously Presented) The isolated binding polypeptide according to claim 1, wherein said first and second binding domain recognizes an epitope in the N-terminal 150 amino acids of PsaA.
- 11. (Previously Presented) The isolated binding polypeptide according to claim 10 wherein said first and second binding domains recognize an epitope in the N-terminal 100 amino acid residues of PsaA.

12-16. (Canceled)

- 17. (Previously Presented) The isolated binding polypeptide according to claim 1, wherein the binding polypeptide is capable of binding PsaA from two or more different Pneumococcus serotypes.
- 18. (Currently Amended) The isolated binding polypeptide according to claim 1, wherein the first binding domain comprises the amino acid sequence of SEQ ID NO: 6 and the second binding domain comprises the amino acid sequence of SEQ ID NO: 4 12, wherein the homologues of said first and second binding domains [[are]] are selected from the group consisting of those having at least about 60% homologous to SEQ ID NO 6 and SEQ ID NO 4, respectively, at least about 65% homologous, those at least about 70% homologous, those at least about 85% homologous, those at least about 85% homologous, those at least about 95% homologous, and those at least about 98% homologous.

19. (Canceled)

- 20. (Previously Presented) The isolated binding polypeptide according to claim 1, wherein the first and second binding domains are located in a V_L domain.
- 21. (Previously Presented) The isolated binding polypeptide according to claim 1, wherein the first and second binding domains are located in a V_H domain.

- 22. (Currently Amended) The isolated binding polypeptide according to claim 1 [[12]], wherein the first and second binding domains are arranged as a complementarity-determining regions (CDRs) in the binding polypeptide.
- 23. (Previously Presented) The isolated binding polypeptide according to claim 2, wherein the fragment of antibodies are selected from Fab, Fab', F(ab)₂ and Fv.
- 24. (Previously Presented) The binding polypeptide according to claim 1, comprising at least a first binding domain, a second binding domain, and a third binding domain, wherein said first and second binding domains are capable of specifically binding Streptococcus pneumoniae surface adhesin A (PsaA) protein, and said third binding domain is different from said first and second binding domains.
- 25. (Previously Presented) The isolated binding polypeptide according to claim 24, wherein the third binding domain is capable of specifically binding a mammalian protein, such as a human protein, such as a protein selected from CD64 or CD89.
- 26. (Previously Presented) The isolated binding polypeptide according to claim 24, wherein the third binding domain is capable of specifically binding a mammalian cell, wherein said mammalian cell is selected from the group consisting of: leucocytes, macrophages, lymphocytes, neutrophilic cells, basophilic cells, and eosinophilic cells.
- 27. (Previously Presented) The isolated binding polypeptide according to claim 25, wherein the third binding domain is capable of specifically binding a Pneumococcus protein.
- 28. (Previously Presented) The isolated binding polypeptide according to claim 27, wherein third binding domain is capable of specifically binding a PsaA epitope different from the first and second binding domains.
- 29. (Previously Presented) The isolated binding polypeptide according to claim 24, wherein the binding polypeptide comprises three binding domains.
- 30. (Previously Presented) The isolated binding polypeptide according to claim 29, wherein the three binding domains are linked through a spacer region.

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31. - 41. (Canceled)

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